

JOINT USERS RESOURCE ALLOCATION PLANNING COMMITTEE

Thursday, March 19, 2009, 1 pm. PDT

JPL - Building 126, Room 200

Telecon Line – (818) 354-2626

AGENDA

- 1. Introductory Remarks D. Morris**
- 2. Conflict Resolution D. Morris**
- 3. Action Items – DSN Customer Forum D. Morris**
- 4. SPECIAL REPORTS:**
- 5. Resource Analysis Team E. Martinez**
 - Mid-Range Status**
 - Proposed DSS Downtime Changes D. Dillard**
 - DSS-24 Painting & Depot Level Maintenance in September – October 2009**
 - DSS-14 Grouting October 2009 and January 2010 (3 days)**
 - DSS-54 Acq. Aid Calibration October 2009 (2 weeks, Daylight Hours)**
 - DSS-15 Pintle Bearing & Elevation Gearbox Replacement in Nov. 2009 - January 2010**
 - DSS-14 Life Extension Shifted to begin March 2010 and end October 2010**
 - DSS-25 Ka-band Transmitter Installation November – December 2010**

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Resource Analysis Team

March 19, 2009

Elsa Martinez



MID-RANGE SCHEDULING STATUS

◆ RESOURCE NEGOTIATION STATUS

- 2009 WEEKS 18 - 19 (THRU 05/10/2009) HAVE BEEN RELEASED TO DSN SCHEDULING AS OF 03/12/2009.
 - 2009 WEEK 20 IS DUE TO BE RELEASED ON 03/19/2009, and WEEK 21 IS DUE TO BE RELEASED ON 03/24/2009.
 - 2009 WEEKS 20 - 28 (THRU 07/12/2009) HAVE REMAINING FACILITY AND EQUIPMENT CONFLICTS.
- ◆ The Mid-Range Scheduling received all inputs for the LRO schedule from White Sands as of 03/17/2009 and awaiting inputs from LCRO Project Scheduler.
- ◆ The Mid-Range Scheduling process has schedule 16 weeks ahead of real-time. Currently, there are 7 weeks of conflict-free schedules. Conflict resolution is required for the following eight weeks: 05/11/2009 through 07/12/2009.

ON-GOING SPECIAL STUDIES/ACTIVITIES

- **SOHO / SDO** Compatibility Testing Supportability study was requested by the Mission, and study is scheduled to be completed by 03/24/2009

– Ongoing / Approved Projects –

Project	Acronym	Launch or Start	EOPM	EOEM
DSN Antenna Calibration	DSN	--	--	--
DSS Maintenance	DSS	--	--	--
DSN ZDD Calibration	DSN	--	--	--
Reference Frame Calibration (Cat M&E and Clock Sync)	DSN	10/01/01	09/30/20	12/31/30
Voyager 2	VGR2	08/20/77	10/15/89	12/31/13
Voyager 1	VGR1	09/05/77	12/31/80	12/31/13
Goldstone Solar System Radar	GSSR	10/01/88	09/30/20	12/31/30
European and Global VLBI Systems	EGS	10/01/88	09/30/20	12/31/30
Ulysses	ULYS	10/06/90	09/11/95	03/31/09
Geotail	GTL	07/24/92	07/24/95	09/30/10
Space Geodesy Programme	SGP	05/01/93	09/30/20	12/31/30
Wind	WIND	11/01/94	11/01/97	11/30/13
Ground Based Radio Astronomy	GBRA	10/01/95	09/30/20	12/31/30
SOHO	SOHO	12/02/95	05/02/98	12/31/13

– Ongoing / Approved Projects –

Advanced Composition Explorer	ACE	08/25/97	02/01/01	10/01/13
Advanced Tracking and Observational Techniques (ATOT)	ATOT	10/01/97	09/30/20	12/31/30
Cassini	CAS	10/15/97	06/30/08	06/30/10
Chandra X-Ray Observatory	CHDR	07/23/99	09/30/14	09/30/19
Cluster 2 - S/C #2 (Samba)	CLU2	07/16/00	02/15/03	09/30/11
Cluster 2 - S/C #3 (Rumba)	CLU3	07/16/00	02/15/03	09/30/11
Cluster 2 - S/C #1 (Salsa)	CLU1	08/09/00	02/15/03	09/30/11
Cluster 2 - S/C #4 (Tango)	CLU4	08/09/00	02/15/03	09/30/11
Mars Odyssey 2001	M01O	04/07/01	08/24/04	12/31/10
Wilkinson Microwave Anisotropy Probe	WMAP	06/30/01	10/01/03	09/30/10
International Gamma Ray Astrophysics Lab	INTG	10/17/02	12/18/04	12/31/12
Hayabusa (MUSES - C)	MUSC	05/09/03	06/10/10	- - -
Mars Express Orbiter	MEX	06/02/03	02/11/06	05/01/09
Spirit (Mars Exploration Rover - A)	MER2	06/10/03	04/06/04	10/01/11
Opportunity (Mars Exploration Rover - B)	MER1	07/07/03	04/27/04	10/01/11
Spitzer Space Telescope (SIRTF)	STF	08/25/03	05/31/09	05/31/14

– Ongoing / Approved Projects –

Rosetta	ROSE	02/26/04	12/31/15	---
Messenger	MSGR	08/03/04	03/19/12	---
Mars Reconnaissance Orbiter	MRO	08/12/05	12/31/10	12/31/15
Venus Express	VEX	11/09/05	09/24/07	05/01/09
New Horizons	NHPC	01/19/06	04/17/16	TBD
Stereo Ahead	STA	10/26/06	01/22/09	01/22/13
Stereo Behind	STB	10/26/06	01/22/09	01/22/13
EPOXI (Deep Impact)	DIF	07/03/07	11/14/10	---
NExT (Stardust)	SDU	07/03/07	02/27/11	---
Phoenix	PHX	08/04/07	08/31/08	10/30/08
Kaguya (SELENE)	SELE	09/14/07	11/21/08	TBD
Dawn	DAWN	09/27/07	07/04/15	TBD
Chandrayaan - 1	CH1	10/22/08	04/09/09	04/09/10
Kepler	KEPL	03/06/09	11/10/12	TBD
GOES-O	GO14	04/28/09	04/21/13	TBD
Lunar Crater Observation and Sensing Satellite (LCROSS)	LCRO	05/21/09	08/19/09	09/11/09

– Ongoing / Approved Projects –

Lunar Reconnaissance Orbiter	LRO	05/21/09	11/30/09	TBD
Juno	JUNO	08/08/11	10/20/18	TBD
Gravity Recovery and Interior Laboratory-A (GRAIL-A)	TBD	09/09/11	06/06/12	TBD
Gravity Recovery and Interior Laboratory-B (GRAIL-B)	TBD	09/09/11	06/06/12	TBD
Mars Science Laboratory 2009	MSL	10/25/11	04/04/14	TBD

– Advanced / Planning Projects –

ADVANCED PLANNING PROJECTS				
Project	Acronym	Launch or Start	EOPM	EOEM
Lunar Atmosphere and Dust Environment Explorer (LADEE)	TBD	10/01/11	TBD	TBD
Discovery-12	TBD	01/01/13	TBD	TBD
James Webb Space Telescope	JWST	06/15/13	02/28/19	TBD
Mars Atmosphere and Volatile Evolution (MAVEN)	M13S	10/31/13	12/30/16	TBD
Magnetospheric MultiScale	MMS	10/20/14	03/20/17	TBD
Beyond Einstein-1	TBD	07/01/15	TBD	TBD
New Frontiers-3	TBD	01/01/16	TBD	TBD
Discovery-13	TBD	01/01/17	TBD	TBD
Solar Sentinels/Inner Heliospheric	TBD	04/01/17	TBD	TBD
Outer Planet-1	TBD	06/01/17	TBD	TBD
Discovery-14	TBD	01/01/20	TBD	TBD